



AJT & Associates, Inc.
NASA/MSFC Medical Center
AD60M - Building 4249
Marshall Space Flight Center, AL 35812

MS 16

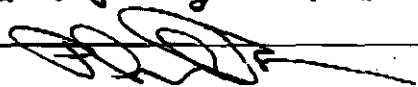
L-4

01-06571-10

030 03575

FACSIMILE TRANSMISSION FROM 256-544-5746

DATE 10-10-07 TIME _____
TO Sarah Grashine FAX# _____
FROM Philip Brown OPERATOR _____
NUMBER OF PAGES 7 (INCLUDES COVER PAGE)

SUBJECT This is the documentation of
the disposal of H-2 and my survey of the
affected area at MSFC. This is per your
telephone request on 10-9-07.
Let me know if you need anything further.


If problems occur with receipt of the transmission, please telephone
256-544-2390.

140926

**AJT & Associates, Inc.**

Bldg. 4249, Marshall Space Flight Center, AL

National Aeronautics and Space Administration
George C. Marshall Space Flight Center (MSFC)
Mail Code AS10M, Building 4249
Marshall Space Flight Center, Alabama 35812
256/544-2390

May 15, 2007

To: File

From: Philip Brown

Subject: Tritium Survey of Building 4481

During an unannounced NRC inspection performed on January 24, 2007 the inspector noted that radioactive material was no longer being used or stored in building 4481 as had been indicated in past MSFC NRC Materials License Amendments. He indicated that he would like to see a survey done of the building in the areas where unsealed radioactive material had been used. It was determined that the only unsealed radioactive material had been liquid tritium compounds and they had only been used in rooms 407 and 508. It was further determined that all this material had been moved to the National Space and Science Technology Center (NSSTC) at the University of Alabama, Huntsville in 2002 and at that time was transferred to the university's State of Alabama radioactive material license. Other sealed sources continued to be used or stored at building 4481 until September of 2006 but no other unsealed material was used there.

As it has now been determined that the building will no longer be used for any purposes and will be abandoned in place or demolished, I performed a representative contamination survey on May 3, 2007 of rooms 407 and 508 utilizing twenty moistened smears per room. The smears were subsequently counted in a liquid scintillation counter.

The results of the survey are attached and show no residual tritium contamination.

Philip Brown
MSFC Radiation Safety Officer



DEPARTMENT OF THE ARMY
UNITED STATES ARMY AVIATION AND MISSILE COMMAND
REDSTONE ARSENAL, ALABAMA 35898-5000

REPLY TO
ATTENTION OF

AMSAM-TMD-SR(C)

15 May 2007


MEMORANDUM FOR National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Mail Code AS10M, Bldg 4249, Marshall Space Flight Center, AL 35812


SUBJECT: Leak Test Submittal

1. The results of the leak tests performed at your facility on unknown date, which this laboratory received on 3 May 2007, are indicated at enclosure 1. Limit of Detection (LD) is 0.00001 uCi for Tritium Beta. Results exceeding the limit of decision are reported as defined by NCRP 58.
2. Traceability to NIST is provided by a H-3 source, SN: H3-4927F-1-72, last calibrated date: 3 Mar 2004. Counters used to evaluate your leak/wipe tests were calibrated with sources calibrated at or traceable to NIST. The NIST calibration documents are maintained on file at this facility. This laboratory is ISO-9001:2000 registered.
3. Point of contact for this correspondence is Carla J. White, voice on DSN 746-7666, commercial (256) 876-7666, e-mail at carla.white@us.army.mil; or the undersigned, voice on DSN 746-0472, commercial (256) 876-0472, e-mail at stephenv-howard@us.army.mil.

Reviewed by:

Approved by:


STEPHEN V. HOWARD, CHP
Lead Health Physicist, Nuclear Counting
and Special Projects


PATRICK J. KUYKENDALL
Chief, US Army Radiation
Standards Laboratory



AMSAM-TMD-SR(C)

10 May 2007

SUBJECT: Leak test submittal

SAMPLE ID	Microcuries Beta	SAMPLE ID	Microcuries Beta
1	0.000	21	0.000
2	0.000	22	0.000
3	0.000	23	0.000
4	0.000	24	0.000
5	0.000	25	0.000
6	0.000	26	0.000
7	0.000	27	0.000
8	0.000	28	0.000
9	0.000	29	0.000
10	0.000	30	0.000
11	0.000	31	0.000007
12	0.000	32	0.000
13	0.000	33	0.000
14	0.000	34	0.000
15	0.000	35	0.000
16	0.000	36	0.000
17	0.000	37	0.000
18	0.000	38	0.000
19	0.000	39	0.000
20	0.000	40	0.000

Note: Limit of Detection (LD) is 0.00001 dpm for Tritium Beta.

**AJT & Associates, Inc.**

Bldg. 4249, Marshall Space Flight Center, AL

National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Mail Code AS10M, Building 4249
Marshall Space Flight Center, Alabama 35812
256/544-2390

May 3, 2007

To: Stephen Howard
From: Philip Brown
Sub: Leak test submittal

Please analyze the samples for the presence of tritium contamination. If you have any questions please call me at 544-5738 or by e-mail at philip.brown@msfc.nasa.gov.

Philip Brown
MSFC Radiation Safety Officer
AS10M

RECEIVED			
MAY 03 2007			
Prom Number 712301 L			
40	WC 13	Type	H-3
TO	WWR	DS	5/14/07

**CHASE ENVIRONMENTAL GROUP, INC.**

waste services, remediation and consulting

3501 Workman Road, Suite H.
Knoxville, TN 37921(865) 584-0833
FAX (865) 584-1961

September 15, 2006

Mr. Philip Brown
Marshall Space Flight Center
AS10M, Building 4249, Room 118
Huntsville AL 35812

Dear Philip,

Enclosed please find a copy of the stamped and signed NRC Form 540, manifest number AL-2006-128 acknowledging receipt by Alaron Corp. of material shipped from your facility on August 30, 2006. If you have any questions concerning this shipment, please call us toll-free at 877-389-2124.

We appreciate the opportunity to be of service to Marshall Space Flight Center and look forward to working with you in the future.

Sincerely,

Gina O'Neil
Customer Service Representative

APPROVED BY: NRC NO. 3150-0184
EXPIRES: 06/30/2007

Estimated burden per response to comply with this information collection request: 46 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-3 182), U.S. Nuclear Regulatory Commission, Washington, DC 20555-4001, or by Internet e-mail to info@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NRCB-10203, (5150-0184), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

NRC FORM 540 (6-2004)		UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		SHIPPER ID. NUMBER NA <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input type="checkbox"/> GENERATOR TYPE (Specify)		7. NRC FORM 540 AND 540A NRC FORM 541 AND 541A NRC FORM 542 AND 542A ADDITIONAL INFORMATION		PAGE 1 OF 1 PAGE(S) 2 PAGE(S) 1 PAGE(S) None PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages) AL-2006-128	
1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 800-424-6300				5. SHIPPER - Name and Facility Chase Environmental Group, Inc. 11460 Watterson Court Louisville, KY 40288		SHIPMENT NUMBER NA		9. CONSIGNEE - Name and Facility Address Alaron Corporation RT. 18 and Park RD. Wampura, PA 18157		CONTACT Jonathan Wallace TELEPHONE NUMBER (Include Area Code) 724-535-6777	
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		4. CARRIER - Name and Address R & R Trucking PO Box 645 Queenway, MO 64841		EPA I.D. NUMBER MOR00401673		SIGNATURE - Authorized consignee acknowledging waste receipt <i>[Signature]</i>	
6. DOES EPA REGULATE WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number				EPA MANIFEST NUMBER		CONTACT Dad Richey		SHIPPING DATE 07/13/2006		10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the applicable requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.	
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information)				12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES	
Radioactive material, Type A package, 7, UN 2915 Sealed sources				Yellow 11		NA 0.1		solid Oxide		Am-241 Ba-132 Bi-210 C-14 Cs-137 Fe-55 H-3 Pb-210 Ra-106 Sn-90 Th-232 Tl-204 U-dep U-nat	
										TOTAL PACKAGE ACTIVITY (MBq) 2.4000E+02 (6.4000E+03 Ci) 1.738 E+02 MBq 93B 8/14/06	
										16. TOTAL PACKAGE ACTIVITY (MBq)	
										17. LSA/SCO CLASS NA	
										18. TOTAL WEIGHT OR VOLUME (Use appropriate units) 0.019 JUL 13/06	
										19. IDENTIFICATION NUMBER OF PACKAGE AL-SE-B-08-3 28	
FOR CONSIGNEE USE ONLY											
Generator Certification Statement: The constituents of the waste herein are known to the generator. There are no EPA RCRA, pathogenic or other hazards present other than those specifically listed on the form 541. Signature: <i>[Signature]</i> Title: Radiation Safety Officer RECEIVED AUG 30 2006 ALARON CORPORATION											

NRC FORM 540 (6-2004)